

Set	Items	Descript
S1	39	AU=(MUTTIK, I? OR MUTTIK I? OR GULLOTTO, V? OR GULLOTTO V? OR PHAM, K? OR PHAM K?)
S2	16	S1 AND IC=G06F?

File 347:JAPIO Oct 1976-2003/Aug(Updated 031202)  
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File 348:EUROPEAN PATENTS 1978-2003/Dec W02  
(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20031225,UT=20031218  
(c) 2003 WIPO/Univentio

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200382  
(c) 2003 Thomson Derwent

2/5/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00930550

**Multi processor system**  
**Multiprozessorsystem**  
**Systeme multiprocesseur**  
PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states:  
AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Arroyo, Ronald Xavier Arroyo, 8004 B Forest Mesa, Austin, Texas 78759,  
(US)

**Pham, Khuong Huu Pham** , 7896 Lakewood Drive, Austin, Texas 78750, (US

LEGAL REPRESENTATIVE:

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SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 848318 A2 980617 (Basic)

APPLICATION (CC, No, Date): EP 97309730 971204;

PRIORITY (CC, No, Date): US 762907 961210

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;  
MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G06F-001/12

ABSTRACT EP 848318 A2

A method and apparatus of allowing processors of different speeds to be  
used in a multi-processor system are disclosed. The method and apparatus  
comprise a programmable array logic (PAL) or field programmable gate  
array (FPGA) that detects each of the processors maximum speed and  
selects a speed common to all of the processors as the operating speed of  
the processors. The method and apparatus also adjust the system clock to  
match the speed of the processors.

ABSTRACT WORD COUNT: 77

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 980617 A2 Published application (Alwith Search Report  
;A2without Search Report)

Change: 990915 A2 Legal representative(s) changed 19990727

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9825	345
SPEC A	(English)	9825	1755
Total word count - document A			2100
Total word count - document B			0
Total word count - documents A + B			2100

2/5/2 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015583228 \*\*Image available\*\*

WPI Acc No: 2003-645385/200361

XRPX Acc No: N03-513467

**Computer program product for computer virus scanners, locates and  
decrypts encrypted version of virus scanning computer programs and  
triggers execution of stored decrypted program by using loader program**

Patent Assignee: COWIE N A (COWI-I); MUTTIK I G (MUTT-I); WOLFF D J  
(WOLF-I)

Inventor: COWIE N A; **MUTTIK I G** ; WOLFF D J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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US 20030110387 A1 20030122 US 20013322 A 20011206 200361 B

Priority Applications (No Type Date): US 20013322 A 20011206

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030110387	A1		10	G06F-011/30	

Abstract (Basic): US 20030110387 A1

NOVELTY - The encrypted version of the virus scanning computer program is located and decrypted by the loader program using the associated initialization data and public key. The executable form of the decrypted computer program is written directly in a computer memory by the loader program which also triggers the commencement of execution of the stored program.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) virus scanning program execution method; and
- (2) virus scanning program execution apparatus.

USE - Computer program product comprising computer virus scanning program for use in computer virus scanners (claimed). Also for scanning worms, Trojans, banned computer files, banned words, and banned images.

ADVANTAGE - Facilitates the protection of computer programs from malicious alteration by using loader program. Once the scanning has started the loader program is also checked for virus. Reduces the resource consumption by terminating the loader program once the execution is started.

DESCRIPTION OF DRAWING(S) - The figure shows a flow diagram of the process of loader program. (Drawing includes non-English language text).

pp; 10 DwgNo 3/6

Title Terms: COMPUTER; PROGRAM; PRODUCT; COMPUTER; VIRUS; SCAN; LOCATE; ENCRYPTION; VERSION; VIRUS; SCAN; COMPUTER; PROGRAM; TRIGGER; EXECUTE; STORAGE; PROGRAM; LOAD; PROGRAM

Derwent Class: T01

International Patent Class (Main): G06F-011/30

File Segment: EPI

2/5/3 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015544350 \*\*Image available\*\*

WPI Acc No: 2003-606506/200357

XRPX Acc No: N03-483536

**Computer virus hosting web site access prevention method involves allowing access to web page, based on whether web page includes link to web site that is included in database of web sites related to computer viruses**

Patent Assignee: GRYAZNOV D (GRYA-I); KUO J (KUOJ-I); PHAM K (PHAM-I); YASUDA Y (YASU-I)

Inventor: GRYAZNOV D; KUO J; **PHAM K** ; YASUDA Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030097591	A1	20030522	US 2001988606	A	20011120	200357 B

Priority Applications (No Type Date): US 2001988606 A 20011120

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030097591	A1		18	G06F-012/14	

Abstract (Basic): US 20030097591 A1

NOVELTY - Information about a web page selected for access by a user, is received. A web crawler system (112) determines whether the web page is hosted by a web site that is included in a database (116)

of web sites related computer viruses. Access to the web page is allowed by a web security system (114), based on the determination result.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) system for protecting user from web sites hosting computer viruses;
- (2) system for protecting web hosting system from hosting web page containing links to computer virus; and
- (3) computer program product for protecting users from web sites hosting computer viruses.

USE - For protecting web hosting system from hosting web page containing links to computer virus and for protecting user from web sites hosting computer viruses.

ADVANTAGE - Improves efficiency by allowing web sites hosting computer viruses, to be skipped.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the system for protecting web hosting system from hosting web pages containing links to computer viruses.

web crawler system (112)  
web security system (114)  
virus site database (116)  
pp; 18 DwgNo 1/6

Title Terms: COMPUTER; VIRUS; WEB; SITE; ACCESS; PREVENT; METHOD; ALLOW;  
ACCESS; WEB; PAGE; BASED; WEB; PAGE; LINK; WEB; SITE; DATABASE; WEB; SITE  
; RELATED; COMPUTER; VIRUS  
Derwent Class: T01  
International Patent Class (Main): G06F-012/14  
File Segment: EPI

2/5/4 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015535254 \*\*Image available\*\*

WPI Acc No: 2003-597404/200356

XRPX Acc No: N03-476130

**Anti-virus program for computer system, has virus removal routine comprising text editor which searches and modifies textual portion of file under control of virus removal instructions**

Patent Assignee: GRYAZNOV D (GRYA-I); PHAM K (PHAM-I)

Inventor: GRYAZNOV D; PHAM K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030097378	A1	20030522	US 2001988600	A	20011120	200356 B

Priority Applications (No Type Date): US 2001988600 A 20011120

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030097378	A1	17	G06F-012/00	

Abstract (Basic): US 20030097378 A1

NOVELTY - A virus scanning routine (104) scans a file (108) and detects the virus in the text portion of the file. A virus removal routine (106) has a text editor (110) which searches and modifies textual portion of the file, under the control of virus removal instructions (112) which causes the text editor to remove the virus from the textual portion of the file.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) method for removing virus from textual portion of file infected with a virus;
- (2) computer program product with computer-readable medium storing program for removing virus from textual portion of file infected with virus; and

(3) system for removing virus from textual portion of file infected with virus.

USE - For removing text-based viruses from virus infected files stored in computer system.

ADVANTAGE - Enables removing macro or script virus from document or file efficiently, while leaving the remainder of the document or file intact.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram illustrating the anti-virus program.

virus scanning routine (104)

virus removal routine (106)

virus infected file (108)

text editor (110)

virus removal instructions (112)

pp; 17 DwgNo 1/7

Title Terms: ANTI; VIRUS; PROGRAM; COMPUTER; SYSTEM; VIRUS; REMOVE; ROUTINE  
; COMPRISE; TEXT; EDIT; SEARCH; MODIFIED; TEXT; PORTION; FILE; CONTROL;

VIRUS; REMOVE; INSTRUCTION

Derwent Class: T01

International Patent Class (Main): G06F-012/00

File Segment: EPI

2/5/5 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015394741 \*\*Image available\*\*

WPI Acc No: 2003-456882/200343

XRPX Acc No: N03-363377

**Computer virus detecting program product identifies suspect program instructions of computer program and detects computer virus if number of suspect program instructions exceed threshold level**

Patent Assignee: MUTTIK I (MUTT-I); PETERNEV V (PETE-I); TEBLYASHKIN I (TEBL-I)

Inventor: MUTTIK I ; PETERNEV V; TEBLYASHKIN I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030061502	A1	20030327	US 2001963659	A	20010927	200343 B

Priority Applications (No Type Date): US 2001963659 A 20010927

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030061502	A1	17	G06F-011/30	

Abstract (Basic): US 20030061502 A1

NOVELTY - Logic analysis is performed to identify suspect program instructions of executable computer program, by determining if the instructions generate a result value not used by another portion of the computer program and are dependent upon an uninitialized variable. The executable computer program is detected to contain computer virus if the number of identified suspect program instructions exceed a threshold value.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) computer virus detection method; and

(2) computer virus detection apparatus.

USE - For detection of computer virus e.g. polymorphic computer virus in data processing systems.

ADVANTAGE - Unknown viruses and new polymorphic viruses are identified and location of virus code with an executable program is identified.

DESCRIPTION OF DRAWING(S) - The figure shows a flow diagram illustrating the routine applied to each instruction in order to identify redundant code.

pp; 17 DwgNo 6/10

Title Terms: COMPUTER; VIRUS; DETECT; PROGRAM; PRODUCT; IDENTIFY; SUSPECT;  
PROGRAM; INSTRUCTION; COMPUTER; PROGRAM; DETECT; COMPUTER; VIRUS; NUMBER;  
SUSPECT; PROGRAM; INSTRUCTION; THRESHOLD; LEVEL  
Derwent Class: T01  
International Patent Class (Main): G06F-011/30  
File Segment: EPI

2/5/6 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015377403 \*\*Image available\*\*  
WPI Acc No: 2003-438341/200341  
XRPX Acc No: N03-349662

Relational database management for personal computer, involves selecting  
technique for modifying relational database based on identified  
modifications of original tables in relational database with respect to  
multidimensional database

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )  
Inventor: DEKIMPE D M; MALLOY W E; PHAM K P ; TOMLYN C R  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
US 6546395 B1 20030408 US 99385317 A 19990830 200341 B

Priority Applications (No Type Date): US 99385317 A 19990830  
Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
US 6546395 B1 25 G06F-017/30

Abstract (Basic): US 6546395 B1

NOVELTY - A relational database (118) is connected to a computer  
(102) and the modification, original tables in the relational database  
corresponding to the multidimensional database, are identified. The  
technique for modifying the relational database, is selected based on  
the identified modifications.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the  
following:

(1) relational database management apparatus; and  
(2) article of manufacture comprising recorded medium storing  
relational database management program.

USE - For managing relational database in computers such as  
mainframe, minicomputer or personal computer (PC) or computer  
configuration such as timesharing mainframe, local area network (LAN),  
standalone personal computer.

ADVANTAGE - Since the technique for modifying the relational  
database, is selected based on the identified modifications, the  
multidimensional restructure performance is improved.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of  
the relational database management apparatus.  
computer (102)  
relational database (118)  
pp; 25 DwgNo 1/10

Title Terms: RELATED; DATABASE; MANAGEMENT; PERSON; COMPUTER; SELECT;  
TECHNIQUE; MODIFIED; RELATED; DATABASE; BASED; IDENTIFY; MODIFIED;  
ORIGINAL; TABLE; RELATED; DATABASE; RESPECT; MULTIDIMENSIONAL; DATABASE  
Derwent Class: T01  
International Patent Class (Main): G06F-017/30  
File Segment: EPI

2/5/7 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015270674 \*\*Image available\*\*

WPI Acc No: 2003-331603/200331  
XRPX Acc No: N03-265696

**Computer control program includes task issuing logic to issue tasks to be performed by computers, and collating logic to collate task results for forming scan result corresponding to on-access malware scan provided**

Patent Assignee: MARIA VAN OERS M H (VOER-I); MUTTIK I (MUTT-I); PAGET F (PAGE-I)

Inventor: MARIA VAN OERS M H; **MUTTIK I** ; PAGET F

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030023864	A1	20030130	US 2001911765	A	20010725	200331 B

Priority Applications (No Type Date): US 2001911765 A 20010725

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030023864	A1	13	G06F-011/30	

Abstract (Basic): US 20030023864 A1

NOVELTY - A scan dividing logic divides on-access malware scan into multiple tasks. A task issuing logic issues multiple tasks to be performed by different computers. A result collating logic collates task results to form a scan result corresponding to on-access malware scan.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) method of performing on-access malware scan; and

(2) apparatus for performing on-access malware scan.

USE - For controlling data processing systems.

ADVANTAGE - Enables high speed scanning of files with reduced power consumption.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram illustrating the process performed by co-ordinating computer.

pp; 13 DwgNo 2/9

Title Terms: COMPUTER; CONTROL; PROGRAM; TASK; ISSUE; LOGIC; ISSUE; TASK; PERFORMANCE; COMPUTER; COLLATE; LOGIC; COLLATE; TASK; RESULT; FORMING; SCAN; RESULT; CORRESPOND; ACCESS; SCAN

Derwent Class: T01; T04

International Patent Class (Main): **G06F-011/30**

File Segment: EPI

2/5/8 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015190090 \*\*Image available\*\*

WPI Acc No: 2003-250624/200325

XRPX Acc No: N03-199009

**Computer program product for updating computer files on wireless data processing devices, forms communication links to in-range devices to provide access to more up-to-date versions of a file**

Patent Assignee: NETWORKS ASSOC TECHNOLOGY INC (NETW-N); GULLOTTO V P (GULL-I); MUTTIK I (MUTT-I); PHAM K (PHAM-I)

Inventor: **GULLOTTO V P** ; **MUTTIK I G** ; **PHAM K** ; **MUTTIK I**

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2378284	A	20030205	GB 200129806	A	20011212	200325 B
US 20030028542	A1	20030206	US 2001918538	A	20010801	200325

Priority Applications (No Type Date): US 2001918538 A 20010801

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
GB 2378284	A	18	G06F-009/445	

US 20030028542 A1 G06F-007/00

Abstract (Basic): GB 2378284 A

NOVELTY - The computer program product controls a target data processing device (2), enabling it to form a wireless communication link with an in-range data processing devices (4,6,8) that may be storing a more up-to-date version of a file than that existing on the target device. If a more up-to-date version of a required file is detected, all or part of the file is downloaded to the target, the process being repeated until a complete up-to-date file has been downloaded, when the current version on the target device is replaced by the newly acquired version.

DETAILED DESCRIPTION - INDEPENDENT CLAIMs are also included for the following:

- (a) A method of updating a current version of a file stored on a target data processing device;
- (b) Apparatus for updating a current version of a file stored on a target data processing device.

USE - For updating computer files, for example corporate database type files, on data processing devices having wireless communication links with other data processing devices, The program is particularly useful in the field of anti-virus protection.

ADVANTAGE - The program product provides a means for wireless communication devices, which may never be physically connected to another processing device, to automatically update stored files to the latest available version.

DESCRIPTION OF DRAWING(S) - The figure schematically illustrates a target data processing device connected at different times to different in range devices storing different versions of a computer file.

Target device (2)

In-range data processing devices. (4,6,8)

pp; 18 DwgNo 1/3

Title Terms: COMPUTER; PROGRAM; PRODUCT; UPDATE; COMPUTER; FILE; WIRELESS; DATA; PROCESS; DEVICE; FORM; COMMUNICATE; LINK; RANGE; DEVICE; ACCESS; MORE; UP; DATE; VERSION; FILE

Derwent Class: T01

International Patent Class (Main): G06F-007/00 ; G06F-009/445

International Patent Class (Additional): G06F-017/30

File Segment: EPI

2/5/9 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015150116 \*\*Image available\*\*

WPI Acc No: 2003-210643/200320

XRPX Acc No: N03-167809

**Scanning method in mobile devices e.g. cellular phones for viruses and other malware by updating malware scanners in the mobile devices over a wireless network using an application service provider**

Patent Assignee: GRYAZNOV D O (GRYA-I); KOUZNETSOV V (KOUZ-I); OUCHAKOV A (OUCH-I); PAK M C (PAKM-I); PHAM K N (PHAM-I); PALMER D W (PALM-I); NETWORKS ASSOC TECHNOLOGY INC (NETW-N)

Inventor: GRYAZNOV D O; KOUZNETSOV V; OUCHAKOV A; PAK M C; PHAM K N ; PALMER D W; FALLENSTEDT M; LIBENZI D

Number of Countries: 100 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200312644	A1	20030213	WO 2002US13570	A	20020430	200320 B
US 20030028785	A1	20030206	US 2001920065	A	20010801	200322
WO 200312643	A1	20030213	WO 2002US328	A	20020107	200322
US 20030033536	A1	20030213	US 2001920065	A	20010801	200325
			US 20016413	A	20011130	
US 20030079145	A1	20030424	US 2001920065	A	20010801	200330
			US 20016413	A	20011130	
			US 2002121087	A	20020410	
			US 2002121639	A	20020412	
US 20030229801	A1	20031211	US 2001920065	A	20010801	200382
			US 20016413	A	20011130	



Priority Applications (No Type Date): US 2002121087 A 20020410; US  
2001920065 A 20010801; US 20016413 A 20011130; US 2002121639 A 20020412;  
US 2002121374 A 20020412

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200312644 A1 E 312 G06F-011/30

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA  
ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

US 20030028785 A1 H04L-009/32

WO 200312643 A1 E G06F-011/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA  
ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

US 20030033536 A1 H04L-009/32 CIP of application US 2001920065

US 20030079145 A1 H04L-009/00 CIP of application US 2001920065

CIP of application US 20016413

Cont of application US 2002121087

US 20030229801 A1 H04L-009/32 CIP of application US 2001920065

CIP of application US 20016413

Cont of application US 2002121087

Abstract (Basic): WO 200312644 A1

NOVELTY - A mobile wireless device is used to initiate an application service provider which is then used to update an anti-malware scanner installed on the mobile device. The mobile device is then scanned using the updated scanner. The updating of the scanner may be initiated manually or on a regular schedule which is co-ordinated with other mobile devices to maintain the performance of the network. Data associated with the mobile may be sent to a back-end server over the wireless network to tailor the scanner update for the particular mobile.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for

(a) a computer program product for scanning a mobile wireless device for malware

(b) a system for scanning a mobile wireless device for malware

USE - Scanning mobile wireless devices e.g. mobile phones for viruses, Trojan horses, and worms.

ADVANTAGE - The system can operate with a variety of different mobile devices with relatively little processing power.

DESCRIPTION OF DRAWING(S) - Figure 1 is a block drawing of the system.

pp; 312 DwgNo 1/20

Title Terms: SCAN; METHOD; MOBILE; DEVICE; CELLULAR; TELEPHONE; VIRUS;

UPDATE; SCAN; MOBILE; DEVICE; WIRELESS; NETWORK; APPLY; SERVICE

Derwent Class: T01; W01

International Patent Class (Main): G06F-011/00 ; G06F-011/30 ;

H04L-009/00; H04L-009/32

International Patent Class (Additional): G06F-012/14 ; G06F-013/00 ;

G06F-015/16

File Segment: EPI

2/5/10 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015143159 \*\*Image available\*\*

WPI Acc No: 2003-203686/200320

XRPX Acc No: N03-162313

**Computer program product for detecting known computer programs within packed computer file, has comparing logic which collates resource data with characteristics of resource data of known computer program**

Patent Assignee: NETWORKS ASSOC TECHNOLOGY INC (NETW-N); COWIE N A (COWI-I); MUTTIK I (MUTT-I)

Inventor: COWIE N A; **MUTTIK I G** ; **MUTTIK I**

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2378015	A	20030129	GB 200129835	A	20011213	200320 B
US 20030023865	A1	20030130	US 2001912389	A	20010726	200325

Priority Applications (No Type Date): US 2001912389 A 20010726

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
GB 2378015	A	36	G06F-001/00	
US 20030023865	A1		G06F-011/30	

Abstract (Basic): GB 2378015 A

NOVELTY - A reading logic reads resource data within a packed computer file. The resource data specify program resource items used by a known computer program. A comparing logic collates the resource data with characteristics of resource data of the known computer program to detect a match with the known computer program and to indicate that the packed computer file contains the known computer program.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a computer controlling method;
- (b) a known computer program detecting apparatus;
- (c) a data generating apparatus.

USE - For detecting known computer programs within packed computer files in data processing system.

ADVANTAGE - Enables detecting whether a packed file does not compress or encrypt the resource specifying data. Allows ready access of resource specifying data through anti-virus or other type of scanner.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram of the scanning of packed computer file.

pp; 36 DwgNo 6/7

Title Terms: COMPUTER; PROGRAM; PRODUCT; DETECT; COMPUTER; PROGRAM; PACK; COMPUTER; FILE; COMPARE; LOGIC; COLLATE; RESOURCE; DATA; CHARACTERISTIC; RESOURCE; DATA; COMPUTER; PROGRAM

Derwent Class: T01

International Patent Class (Main): **G06F-001/00** ; **G06F-011/30**

File Segment: EPI

2/5/11 (Item 10 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013898266 \*\*Image available\*\*

WPI Acc No: 2001-382479/200141

XRPX Acc No: N01-280457

**Computer command execution method for relational databank management determines relational databank source table alterations for formation of new tables to which source data is copied**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: DEKIMPE D M; MALLOY W E; **PHAM K P** ; TOMLYN C R

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 10039537	A1	20010308	DE 1039537	A	20000811	200141 B
US 6542895	B1	20030401	US 99386072	A	19990830	200324

Priority Applications (No Type Date): US 99386072 A 19990830

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 10039537	A1		29	G06F-017/30	
US 6542895	B1			G06F-017/30	

Abstract (Basic): DE 10039537 A1

NOVELTY - The computer command execution method for a databank operation in a relational databank determines whether the multi-dimensional databank is to be altered and the determines the corresponding required alterations to one or more source tables in a relational databank, with the alterations entered in one or more new tables, to which the source data from the source tables is copied.

DETAILED DESCRIPTION - Also included are INDEPENDENT CLAIMS for the following:

- (a) a command execution device for a computer databank operation;
- (b) a computer program storage medium for a databank management program.

USE - The command execution method is used for a databank management system for a computer.

ADVANTAGE - The method provides improved re-structuring of relational database.

DESCRIPTION OF DRAWING(S) - The figure shows a flow diagram of the steps performed by a relational databank management system for execution of a copying method. (Drawing includes non-English language text).

pp; 29 DwgNo 7/10

Title Terms: COMPUTER; COMMAND; EXECUTE; METHOD; RELATED; MANAGEMENT; DETERMINE; RELATED; SOURCE; TABLE; ALTER; FORMATION; NEW; TABLE; SOURCE; DATA; COPY

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

2/5/12 (Item 11 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013483509 \*\*Image available\*\*

WPI Acc No: 2000-655452/200063

XRPX Acc No: N00-485854

**Bus termination impedance verification circuit for SCSI controller, has sense circuit with input node connected to signal conductor of bus, and output node providing voltage of bus impedance**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: CAPPS L B; DIXON R C; NGUYEN T; PHAM K H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6115773	A	20000905	US 98159958	A	19980924	200063 B

Priority Applications (No Type Date): US 98159958 A 19980924

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6115773	A		11	G06F-013/00	

Abstract (Basic): US 6115773 A

NOVELTY - Sense circuit has an input node connected to a signal conductor (216) of a bus and an output node providing a voltage indicative of the termination impedance of the bus when the sense circuit input node is in the activated condition. Sense circuit has a resistor and a pair of output terminals of a transistor coupled in series in between the ground and the signal conductor.

DETAILED DESCRIPTION - Comparator circuit has an input node coupled to the sense circuit output node and an output node providing a signal

indicative of whether the voltage at the comparator input node is within a specified voltage range.

USE - For SCSI controller in computer system.

ADVANTAGE - Provides a reliable, practical and inexpensive circuit selectively receiving the SCSI signals to detect the presence or lack of appropriate bus termination impedance.

DESCRIPTION OF DRAWING(S) - The figure shows the partial block diagram of the SCSI controller.

Signal conductor (216)

pp; 11 DwgNo 2/5

Title Terms: BUS; TERMINATE; IMPEDANCE; VERIFICATION; CIRCUIT; CONTROL;

SENSE; CIRCUIT; INPUT; NODE; CONNECT; SIGNAL; CONDUCTOR; BUS; OUTPUT;

NODE; VOLTAGE; BUS; IMPEDANCE

Derwent Class: S01; T01; U21

International Patent Class (Main): G06F-013/00

International Patent Class (Additional): G01R-027/00; H03K-019/08

File Segment: EPI

2/5/13 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013229002 \*\*Image available\*\*

WPI Acc No: 2000-400876/200035

XRFX Acc No: N01-201109

Active discharge circuit in computer system, maintains variable impedance path in high and low impedance conditions, when voltage of power supply bus is above and below preset minimum value, respectively

Patent Assignee: INT BUSINESS MACHINES CORP (IBM)

Inventor: GHOLAMI G R; PHAM K H

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CN 1250172	A	20000412	CN 99120559	A	19990929	200035 B
US 6182230	B1	20010130	US 98165959	A	19981002	200130

Priority Applications (No Type Date): US 98165959 A 19981002

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

CN 1250172 A G06F-001/26

US 6182230 B1 11 G06F-001/26

Abstract (Basic): US 6182230 B1

NOVELTY - Input lines (111,107) and output lines (113,109) of respective voltage detector circuit (104) and time delay circuit (106) are connected to Vcc bus (108) and input lines of variable impedance circuit (102), respectively. The circuits (104,106) maintain the variable impedance path in high and low impedance conditions, when voltage of Vcc bus remains above and below the preset minimum value, respectively.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Computer system;

(b) Power supply unit

USE - For rapidly eliminating charge stored in computer system during temporary loss of system power.

ADVANTAGE - Zero power condition, whenever a significant line disturbance is encountered, is achieved.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of active discharge circuit.

Variable impedance circuit (102)

Voltage detector circuit (104)

Time delay circuit (106)

Input terminals (107,111)

Power supply bus (108)

Output terminals (109,113)

pp; 11 DwgNo 1/8  
Title Terms: ACTIVE; DISCHARGE; CIRCUIT; COMPUTER; SYSTEM; MAINTAIN;  
VARIABLE; IMPEDANCE; PATH; HIGH; LOW; IMPEDANCE; CONDITION; VOLTAGE;  
POWER; SUPPLY; BUS; ABOVE; BELOW; PRESET; MINIMUM; VALUE; RESPECTIVE  
Derwent Class: T01; U22; U24; U25  
International Patent Class (Main): G06F-001/26  
International Patent Class (Additional): H03H-011/00  
File Segment: EPI

2/5/14 (Item 13 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012856954 \*\*Image available\*\*  
WPI Acc No: 2000-028787/200003  
XRPX Acc No: N00-021811

**Battery backup clock driving method for computer - involves setting oscillations at high frequency on microprocessor bus and converting it to suitable frequency for driving backup clock**

Patent Assignee: IBM CORP (IBMC ); INT BUSINESS MACHINES CORP (IBMC )  
Inventor: CAPPS L B; DIXON R C; PHAM K H  
Number of Countries: 003 Number of Patents: 005  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11296253	A	19991029	JP 9935319	A	19990215	200003 B
US 6069850	A	20000530	US 9840430	A	19980318	200033
KR 99077438	A	19991025	KR 995459	A	19990218	200052
KR 335860	B	20020509	KR 995459	A	19990218	200272
JP 3427924	B2	20030722	JP 9935319	A	19990215	200350

Priority Applications (No Type Date): US 9840430 A 19980318  
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11296253	A		8	G06F-001/04	
US 6069850	A			G04G-005/00	
KR 99077438	A			G06F-001/06	
KR 335860	B			G06F-001/06	Previous Publ. patent KR 99077438
JP 3427924	B2		9	G06F-001/04	Previous Publ. patent JP 11296253

Abstract (Basic): JP 11296253 A

NOVELTY - A microprocessor bus (26) is set to oscillate at high frequency by supplying power to it. The high frequency signal from microprocessor bus oscillator is converted to suitable frequency and is used by the battery backup clock (308). DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for battery backup clock driving apparatus.

USE - In computer for driving clock.

ADVANTAGE - The battery backup clock of computer system is driven even during power failure. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of computer system with battery backup clock. (26) Microprocessor bus; (308) Battery backup clock.

Dwg.1/2

Title Terms: BATTERY; CLOCK; DRIVE; METHOD; COMPUTER; SET; OSCILLATING;  
HIGH; FREQUENCY; MICROPROCESSOR; BUS; CONVERT; SUIT; FREQUENCY; DRIVE;  
CLOCK  
Derwent Class: T01  
International Patent Class (Main): G04G-005/00; G06F-001/04 ; G06F-001/06  
International Patent Class (Additional): G06F-001/14  
File Segment: EPI

2/5/15 (Item 14 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012784436 \*\*Image available\*\*  
WPI Acc No: 1999-590662/199950  
XRPX Acc No: N99-435651

**Neuroagent network of knowledge model engine in computer implemented data mining system for use in field of business intelligence**

Patent Assignee: DATAMIND CORP (DATA-N)

Inventor: PHAM K M ; PIFFERO V; RAJKOVIC E B

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5970482	A	19991019	US 96600229	A	19960212	199950 B

Priority Applications (No Type Date): US 96600229 A 19960212

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5970482	A		55	G06F-015/18	

Abstract (Basic): US 5970482 A

NOVELTY - One or more connections are formed between the input neuroagents and output neuroagents. The excitation level of the output neuroagent is a summation of the stimulation functions associated with the connections formed with the contextual excitation zone of that output neuroagent.

DETAILED DESCRIPTION - Each connection of the input neuroagent to the output neuroagent is formed either with the minimal or the contextual excitation zone. A discovery manager (3020) and a prediction manager (3040) coupled to the knowledge model engine (3070) comprising input and output neuroagents, calculates the relative significance of the parameters and the accuracy of the knowledge model, respectively. The prediction manager coupled to the knowledge model engine takes the prediction results set from the knowledge model engine and calculates the predictions of the knowledge model. An INDEPENDENT CLAIM is also included for a method of creating meta data from the discovery domain.

USE - In computer implemented data mining system using unified neural multi-agent approach for use in field of business intelligence.

ADVANTAGE - Provides new capabilities for knowledge workers with some intelligence' inside to help them to explore complex data sets by providing discovery engine. Provides non- specialists with the prediction capabilities and highly valued knowledge discovery without requiring the intermediation of MIS personnel. Provides explicitly prediction knowledge models whose processes can be understood i.e. they provide semantic understanding, rather than being simply utilized thereby avoiding the undesirable situation.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of data mining system.

Discovery manager (3020)  
Prediction manager (3040)  
Knowledge model engine (3070)  
pp; 55 DwgNo 24/27

Title Terms: NETWORK; MODEL; ENGINE; COMPUTER; IMPLEMENT; DATA; MINE; SYSTEM; FIELD; BUSINESS; INTELLIGENCE

Derwent Class: T01

International Patent Class (Main): G06F-015/18

File Segment: EPI

2/5/16 (Item 15 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011897762 \*\*Image available\*\*  
WPI Acc No: 1998-314672/199828  
XRPX Acc No: N98-246691

**Different speed processors operation matching apparatus - has device responsive to detector, for selecting speed common to all of processors as operating speed of processors system**  
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: ARROYO R X A; PHAM K H P ; ARROYO R X; PHAM K

Number of Countries: 026 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 848318	A2	19980617	EP 97309790	A	19971204	199828 B
US 5802355	A	19980901	US 96762907	A	19961210	199842
CN 1184976	A	19980617	CN 97122230	A	19971107	200254

Priority Applications (No Type Date): US 96762907 A 19961210

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 848318 A2 E 9 G06F-001/12

Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI

LT LU LV MC MK NL PT RO SE SI

US 5802355 A G06F-015/16

CN 1184976 A G06F-015/16

Abstract (Basic): EP 848318 A

The apparatus allows processors (110), (120) of different speeds to be used in a multi-processor system (100). A device (170) is provided for detecting each processor's maximum speed. A device is used that is responsive to the detecting device, for selecting a speed common to all of the processors as operating speed of the processors (110), (120).

In operation a multi-processor system clock is adjusted to match the operating speed of the processors (110,120) and providing suitable indicative signal. A multiplier is provided to the processor that is then used in conjunction with the signal by the processors (110,120) to function at that given operation speed. The multiplier may be provided by driving a phase locked loop configuration lines of the processors.

ADVANTAGE - Allows use processors of different operation speed.

Dwg.1/3

Title Terms: SPEED; PROCESSOR; OPERATE; MATCH; APPARATUS; DEVICE; RESPOND;  
DETECT; SELECT; SPEED; COMMON; PROCESSOR; OPERATE; SPEED; PROCESSOR;  
SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-001/12 ; G06F-015/16

International Patent Class (Additional): G06F-001/04

File Segment: EPI

Set	Items	Descript
S1	904980	TARGET? OR OBJECT? OR GOAL? OR DESTINATION?
S2	8103119	DEVICE? OR CLIENT? OR NODE? OR TERMINAL OR PROCESSOR? OR - MICROPROCESSOR? OR COMPUTER? OR MICROCOMPUTER? OR UNIT? OR IN- STRUMENT?
S3	108588	(WIRELESS OR WIRE()LESS OR MOBILE OR PORTABLE OR CELLULAR - OR CELL OR IN()RANGE OR INRANGE) (2N) (DEVICE? OR CLIENT? OR NO- DE? OR COMPUTER? OR TERMINAL)
S4	1010754	STORE OR STORING OR SAVE OR SAVING OR KEEP OR KEEPING OR P- RESERV?
S5	6271864	PART? OR BLOCK? OR CHUNK? OR SEGMENT? OR PIECE?
S6	498113	VERSION? OR EDITION? OR RELEASE?
S7	3180398	FILE? OR DATA OR INFORMATION OR RECORD?
S8	3304276	COMMUNICAT? OR TRANSMIT? OR SEND? OR PASS() (ON OR ALONG OR OVER) OR CONVEY? OR TRANSFER?
S9	2820157	UPDATE? OR UP() (DATE? ? OR GRAD?) OR CURRENT OR CHANGE? OR MODIF? OR REVIS? OR REVAMP? OR UPGRAD? OR NEW
S10	3630378	DOWNLOAD? OR UPLOAD? OR (DOWN OR UP) ()LOAD? OR READ? OR TR- ANSFER? OR TRANSMISSION OR TRANSMIT? OR DELIVER? OR SEND? OR - WRITE? OR WRITING
S11	1777736	MULTIPLE OR MANY OR PLURAL? OR NUMEROUS OR SEVERAL
S12	3006205	SELECT? ? OR PICK? ? OR CHOOS? OR DECID? OR SPECIF? OR DES- IGNAT? OR DETERMIN?
S13	26208	(LEAST OR SMALLEST OR MINIMAL OR MINIMUM OR LITTLEST) (2N) (- TIME OR PERIOD? OR INTERVAL? OR DURATION OR FREQUENCY)
S14	932	S3 AND S4 AND (S5 (3N) S7)
S15	1057	S3 AND S8 AND (S1 (2N) S2)
S16	642	S10 AND (S9 (3N) S6 (3N) S7)
S17	58	S11 (3N) S9 (3N) S6 (3N) S7
S18	299	S12 AND S13 AND S6
S19	19	S14 AND S15
S20	1	S14 AND S16
S21	0	S14 AND S17
S22	0	S14 AND S18
S23	0	S17 AND S18
S24	283152	S9 AND S11
S25	8182	S12 AND S13
S26	464	S24 AND S25
S27	204	S26 AND S10
S28	0	S14 AND S27
S29	0	S14 AND S26
S30	0	S14 AND S25
S31	4	S15 AND S16
S32	4	S15 AND S16
S33	0	S15 AND S17
S34	0	S15 AND S18
S35	15	S16 AND S17
S36	1	S16 AND S18
S37	0	S16 AND S26
S38	104	S16 AND S24
S39	170	S17 OR S19 OR S20 OR S31 OR S32 OR S35 OR S36 OR S38
S40	130	S39 AND IC=G06F?
S41	51	S40 AND IC=(G06F-009? OR G06F-007?)
S42	19	S39 AND MC=(T01-J05B4P OR T01-J20B2 OR T01-S03)
S43	62	S41 OR S42

File 347:JAPIO Oct 1976-2003/Aug(Updated 031202)

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File 350:Derwent WPIX 1963-2003/UD,UM &UP=200382

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43/5/2 (Item 2 from File: 347)  
DIALOG(R) File 347:JAPIO  
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06848285 \*\*Image available\*\*  
DATA UPDATING SYSTEM

PUB. NO.: 2001-075785 [JP 2001075785 A]  
PUBLISHED: March 23, 2001 (20010323)  
INVENTOR(s): ADACHI TETSUJI  
APPLICANT(s): NEC CORP  
APPL. NO.: 11-255390 [JP 99255390]  
FILED: September 09, 1999 (19990909)  
INTL CLASS: G06F-009/06 ; G06F-012/00 ; G06F-013/00 ; H04B-007/26

ABSTRACT

PROBLEM TO BE SOLVED: To provide a data updating system capable of fairly and surely updating information stored in respective terminals to the information of a newest version by simple constitution without imposing burdens to users.

SOLUTION: Software for a mobile object communication terminal 10 capable of updating position registration any time by known position registration processing is managed by a version number and an HLR 11 for registering the position registration information of the terminal 10 stores the version number of software of the newest version as newest version number information. When software of a new version number is registered in a server 12, a registration report is sent to the HLR 11 and the newest version number information is updated. The software version number of the terminal 10 is added to a position registration request outputted from the terminal 10 when required, and at the time of receiving the position registration request, the newest version number information stored in the HLR 11 is compared with the version number. At the time of detecting non-coincidence, a push request is outputted to the server 12 and the software of the newest version registered in the server 12 is push-transferred to the terminal 10.

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43/5/31 (Item 10 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015190090 \*\*Image available\*\*  
WPI Acc No: 2003-250624/200325  
XRPX Acc No: N03-199009

**Computer program product for updating computer files on wireless data processing devices, forms communication links to in-range devices to provide access to more up-to-date versions of a file**

Patent Assignee: NETWORKS ASSOC TECHNOLOGY INC (NETW-N); GULLOTTO V P (GULL-I); MUTTIK I (MUTT-I); PHAM K (PHAM-I)

Inventor: GULLOTTO V P; MUTTIK I G; PHAM K; MUTTIK I

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2378284	A	20030205	GB 200129806	A	20011212	200325 B
US 20030028542	A1	20030206	US 2001918538	A	20010801	200325

Priority Applications (No Type Date): US 2001918538 A 20010801

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
GB 2378284	A	18	G06F-009/445	
US 20030028542	A1		G06F-007/00	

Abstract (Basic): GB 2378284 A

NOVELTY - The computer program product controls a **target data processing device** (2), enabling it to form a **wireless communication link** with an **in-range data processing devices** (4,6,8) that may be **storing** a more up-to-date version of a file than that existing on the **target device**. If a more up-to-date version of a required file is detected, all or **part** of the **file** is **downloaded** to the target, the process being repeated until a complete up-to-date **file** has been **downloaded**, when the **current version** on the **target device** is replaced by the newly acquired version.

DETAILED DESCRIPTION - INDEPENDENT CLAIMs are also included for the following:

(a) A method of updating a **current version** of a **file** stored on a **target data processing device**;

(b) Apparatus for updating a **current version** of a **file** stored on a **target data processing device**.

USE - For updating computer files, for example corporate database type files, on data processing **devices** having **wireless communication** links with other data processing devices, The program is particularly useful in the field of anti-virus protection.

ADVANTAGE - The program product provides a means for **wireless communication devices**, which may never be physically connected to another processing device, to automatically **update** stored **files** to the latest available **version**.

DESCRIPTION OF DRAWING(S) - The figure schematically illustrates a **target data processing device** connected at different times to different **in range devices** **storing** different versions of a computer file.

**Target device** (2)

**In-range data processing devices** . (4,6,8)

pp; 18 DwgNo 1/3

Title Terms: COMPUTER; PROGRAM; PRODUCT; UPDATE; COMPUTER; FILE; WIRELESS; DATA; PROCESS; DEVICE; FORM; **COMMUNICATE** ; LINK; RANGE; DEVICE; ACCESS; MORE; UP; DATE; VERSION; FILE

Derwent Class: T01

International Patent Class (Main): G06F-007/00 ; G06F-009/445

International Patent Class (Additional): G06F-017/30

File Segment: EPI

43/5/32 (Item 11 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015061952    \*\*Image available\*\*

WPI Acc No: 2003-122468/200312

XRPX Acc No: N03-097502

**Program module configuring apparatus of remote program downloading system, configures statically linked software modules of program, based on relationship between dependence of them**

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU ); MATSUSHITA DENKI SANGYO KK (MATU )

Inventor: OWADA K

Number of Countries: 029    Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1246057	A2	20021002	EP 20026904	A	20020326	200312 B
JP 2002297390	A	20021011	JP 200198582	A	20010330	200312
US 20020144254	A1	20021003	US 2002105302	A	20020326	200312
CN 1379335	A	20021113	CN 2002107675	A	20020329	200317

Priority Applications (No Type Date): JP 200198582 A 20010330

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 1246057	A2	E 17	G06F-009/445	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

JP 2002297390	A	10	G06F-009/445
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US 20020144254	A1		G06F-009/00
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CN 1379335	A		G06F-012/16
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Abstract (Basic): EP 1246057 A2

NOVELTY - A **designation** unit (103) **designates** a configuring order of statically linked software modules in a program, based on a relationship between dependence of them. A program linking unit (102) configures each software module, based on the **designated** configuring order.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Apparatus for generating difference program **data** from **current** and old **versions** of program **data** ;
- (2) Central apparatus for **downloading** program into terminal apparatus;
- (3) Communication terminal;
- (4) Remote program **downloading** system;
- (5) Remote program **downloading** program;
- (6) Program for generating difference program **data** from **current** and old **versions** of program **data** ;
- (7) Program module configuration method;
- (8) Program module configuring program; and
- (9) Remote program **downloading** method.

USE - In digital satellite broadcast application for configuring statically linked software modules of program in remote program **downloading** system (claimed), for processing of digital audio-video and display of electronic program guide.

ADVANTAGE - Suppresses the effect imposed on the whole program to a **minimum** , at the **time** of updating a portion of the software modules. The remote program **downloading** system reduces amount of patch information to be managed on the center side and shortens communication time with all terminals. The system also enables latest **version** of the program to be **downloaded** from the center apparatus to the communication terminal.

DESCRIPTION OF DRAWING(S) - The figure shows the entire configuration of the remote program **downloading** system.

Program linking unit (102)

**Designation** unit (103)

pp; 17 DwgNo 1/11

Title Terms: PROGRAM; MODULE; APPARATUS; REMOTE; PROGRAM; SYSTEM;  
CONFIGURATION; STATIC; LINK; SOFTWARE; MODULE; PROGRAM; BASED; RELATED;  
DEPEND

Derwent Class: T01; W02

International Patent Class (Main): G06F-009/00 ; G06F-009/445 ;

G06F-012/16

International Patent Class (Additional): G06F-009/24 ; G06F-009/44 ;

G06F-011/00 ; G06F-013/00 ; G06F-015/177 ; H04H-001/00; H04L-012/18;

H04N-005/44

File Segment: EPI

19/5/5 (Item 5 from File: 347)  
DIALOG(R) File 347:JAPIO  
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07004449 \*\*Image available\*\*

MANAGEMENT DEVICE AND MANAGEMENT METHOD USING MOBILE OBJECT  
COMMUNICATION TERMINAL

PUB. NO.: 2001-232067 [JP 2001232067 A]  
PUBLISHED: August 28, 2001 (20010828)  
INVENTOR(s): YAMAGISHI JUNICHI  
APPLICANT(s): YUNIREKKU KK  
YAMAGISHI JUNICHI  
APPL. NO.: 2000-021821 [JP 200021821]  
FILED: January 26, 2000 (20000126)  
PRIORITY: 11-359862 [JP 99359862], JP (Japan), December 17, 1999  
(19991217)  
INTL CLASS: A63F-013/12; H04M-015/00

ABSTRACT

PROBLEM TO BE SOLVED: To play a game without using small money and to easily collect a charge.

SOLUTION: This management device is provided with a game part 1 for storing game information and enabling the game by the input of individual information, an input part 3 for freely attachably and detachably connecting a mobile object communication terminal 21 and inputting the individual information and a control part 5 for reading a subscribing number as the individual information from the mobile object communication terminal 21 connected to the input part 3, calling an information service center 28 and enabling the game by the game part 1. The information service center 28 performs charging corresponding to the game through a mobile object communication network 29 and a fixed communication network 31.

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19/5/8 (Item 8 from file: 347)  
DIALOG(R) File 347: JAPIO  
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06504316 \*\*Image available\*\*

METHOD FOR ADDING INFORMATION BY USER IN MOBILE OBJECT AND FOR **STORING**  
SUPPLIED INFORMATION, **MOBILE OBJECT TERMINAL** AND STORAGE MEDIUM  
**STORING** PROGRAM TOWHICH INFORMATION BY USER IS ADDED AND WHICH STORES  
SUPPLIED INFORMATION

PUB. NO.: 2000-090032 [JP 2000090032 A]  
PUBLISHED: March 31, 2000 (20000331)  
INVENTOR(s): TAKAHASHI YOSHIHIRO  
TERANISHI YUICHI  
UMEMOTO YOSHIHIRO  
APPLICANT(s): NIPPON TELEGR & TELEPH CORP (NTT)  
APPL. NO.: 10-255588 [JP 98255588]  
FILED: September 09, 1998 (19980909)  
INTL CLASS: G06F-013/00; H04L-012/28

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a method for adding information by a user and **storing** supplied information concerning a mobile object where data displayed on a **mobile object terminal** is referred to by a different method and data which the user newly generates on the **mobile object terminal** can be displayed on the **mobile object terminal** in a way similar to data which is previously stored in the program storage means of a main **data part**, to provide the **mobile object terminal** and a storage medium **storing** a program to which information can be added by the user and which stores supplied information.

SOLUTION: In a **mobiles object terminal**, a program is obtained from a main data managing device and it is accumulated. When an instruction from the user of the **mobile object terminal** is received, the position of the **mobile object terminal** is detected and the position is accumulated in the **mobile object terminal**. A program where data which is newly generated and arbitrary data are referred to by the user is accumulated in the **mobile object terminal** in accordance with the position and data and the program, which are accumulated in the **mobile object terminal**, are made to correspond to the positions and are **transferred** to the main data managing device. The main data managing device stores information obtained from the **mobile object terminal**.

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19/5/9 (Item 9 from file: 347)  
DIALOG(R) File 347: JAPIO  
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05878643 \*\*Image available\*\*

MOBILE OBJECT TRAVELING CONTROLLER

PUB. NO.: 10-161743 [JP 10161743 A]  
PUBLISHED: June 19, 1998 (19980619)  
INVENTOR(s): KITAMURA KENJI  
NAKA KISON  
TANAKA TAKEHISA  
MIZUSAWA KAZUFUMI  
FUJIOKA TOSHIKAZU  
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company  
or Corporation), JP (Japan)  
APPL. NO.: 08-317363 [JP 96317363]  
FILED: November 28, 1996 (19961128)  
INTL CLASS: [6] G05D-001/02; G06T-001/00; H04N-007/18  
JAPIO CLASS: 22.2 (MACHINERY -- Mechanism & Transmission); 22.3 (MACHINERY  
-- Control & Regulation); 36.1 (LABOR **SAVING** DEVICES --

ABSTRACT

PROBLEM TO BE SOLVED: To support the autonomous traveling of a mobile object by recognizing and tracking the mobile object in a mobile object controller setting a self- traveling robot traveling in a wide area to be an object.

SOLUTION: The image input parts 111 of plural **mobile object** recognizing **devices** 11 pick up the whole of the wide objective area and mobile object detecting part 112 recognizes the self-traveling robot 13 from the feature variable such as the position the color, the shape, etc., of the mobile object within image information. A **mobile object tracking device** 12 integrates plural pieces of mobile object detecting information by a mobile object tracking part 121 to track the robot 13 on a map and to compare with route information registered in advance to obtain a deviation to calculate position correcting information of the robot 13. Calculated position correcting information is **transmitted** to the robot 13 from a position correcting **information** output **part** 124 by a radio means 15 and a traveling system control part 132 controls the robot 13 to be in an optimum traveling state.

19/5/10 (Item 10 from file: 347)  
DIALOG(R) File 347:JAPIO  
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04979524 \*\*Image available\*\*  
CHECK OUT SYSTEM

PUB. NO.: 07-272124 [JP 7272124 A]  
PUBLISHED: October 20, 1995 (19951020)  
INVENTOR(s): EMOTO SHINSUKE  
APPLICANT(s): TERAOKA SEIKO CO LTD [365420] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 06-063686 [JP 9463686]  
FILED: March 31, 1994 (19940331)  
INTL CLASS: [6] G07G-001/12; G07G-001/12  
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines)  
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)

ABSTRACT

PURPOSE: To smoothly execute a check out processing without waiting for an order and to permit a customer to arrive at a **target** check out **device** in a short period of time.

CONSTITUTION: This system consists of ECR 2(sub 0)2N. outputting ECR numbers, portable terminals 3(sub 1)-3M provided with fare adjustment request switches, radio transmission parts **transmitting** terminal numbers when the fare adjustment request switches are turned on, radio reception parts receiving the ECR numbers and display **parts** giving the **information** of the received ECR numbers, a controller 1 provided with a radio reception part receiving the terminal numbers, an order waiting table **storing** the received terminal numbers in a reception order, an ECR **communication** part inputting the ECR numbers and a radio transmission part reading the terminal numbers in order from the order waiting table and **transmitting** the inputted ECR numbers to the **portable terminal** 3 of the terminal number.

19/5/11 (Item 11 from file: 347)  
DIALOG(R) File 347:JAPIO  
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04643282 \*\*Image available\*\*

ELECTRONIC MESSAGE    **DEVI**    **MOBILE**    **OBJECTS**

PUB. NO.:        06-315182    [JP 6315182    A]  
PUBLISHED:       November 08, 1994 (19941108)  
INVENTOR(s):     IMASHIYOU YOSHIHIRO  
APPLICANT(s):    KOKUSAI ELECTRIC CO LTD [000112] (A Japanese Company or  
                         Corporation), JP (Japan)  
APPL. NO.:       05-104017    [JP 93104017]  
FILED:           April 30, 1993 (19930430)  
INTL CLASS:       [5] H04Q-007/04; H04B-007/26; H04M-003/42  
JAPIO CLASS:     44.2 ( **COMMUNICATION**    -- Transmission Systems); 26.2  
                         (TRANSPORTATION -- Motor Vehicles); 36.4 (LABOR **SAVING**  
                         DEVICES -- Service Automation); 44.4 ( **COMMUNICATION**    --  
                         Telephone

ABSTRACT

PURPOSE: To make it possible to perform the message exchange between automobiles noninstantaneously by utilizing radio **communication** .

CONSTITUTION: A fixed base station 10 is installed in a service area and a parking area, etc. The fixed base station 10 has a storage part 31 and uses this for a message. Further, the station 10 has a semi-fixed storage **part** 30 and service **information** is stored in this. A preceding automobile 21 having a moving station **transmits** its own message information in a transmission and reception range to the base station 10 by radio and the information is made to be stored. Next, a succeeding automobile 22 receives the message information that itself desires in the transmission and reception range from this base station 10 by radio. Thus, the fixed base station 10 functions as a message station which can be utilized noninstantaneously. Further, the automobiles 21 and 22 are capable of receiving service information freely.



19/5/15 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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015802184 \*\*Image available\*\*  
WPI Acc No: 2003-864387/200380  
XRPX Acc No: N03-689999

Object monitoring and management system for use in paperless management and tracking of physical assets, comprises central database, data access permitting unit, portable unit, and information subset synchronizing unit  
Patent Assignee: CHESTNUT W (CHES-I); GLENDON J (GLEN-I); HOTBUTTON SOLUTIONS INC (HOTB-N)

Inventor: CHESTNUT W; GLENDON J  
Number of Countries: 103 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030195904	A1	20031016	US 2002118927	A	20020410	200380 B
WO 200388104	A1	20031023	WO 2003CA531	A	20030409	200380

Priority Applications (No Type Date): US 2002118927 A 20020410

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030195904	A1	21	G06F-017/30	
WO 200388104	A1 E		G06F-017/60	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT SD SE SI SK SL SZ TR TZ UG ZM ZW

Abstract (Basic): US 20030195904 A1

NOVELTY - An object monitoring and management system comprises a central database for **storing** information used to track **objects**, a **unit** for permitting each authorized entity to create data access groups to permit selected third parties to access respective subsets of information in the database, a portable unit for maintaining a portable database for **storing** a respective subset of the information, and a unit for synchronizing the subset of information in the portable database with a corresponding subset of information in the central database.

DETAILED DESCRIPTION - An object monitoring and management system comprises a central database for **storing** information used to track **objects**, a **unit** for permitting each authorized entity to create data access groups to permit selected third parties to access respective subsets of information in the database, a portable unit, and a unit for synchronizing the subset of information in the portable database with a corresponding subset of information in the central database. Each object is identified by a unique computer-readable identifier. The central database enables multiple authorized entities to retrieve, write and modify information about tracked objects that each authorized entity possessed. The portable unit maintains a portable database for **storing** a respective subset of the information. The portable unit read the computer-readable identifier attached to the objects, and permits a user to view, modify and create records in the portable database.

INDEPENDENT CLAIMS are also included for the following:

(a) enabling of paperless management and tracking of physical assets or other objects in the possession of multiple operating entities, comprising providing secure access by each of the entities to a central database, and providing a user interface that permits each entity to define **data** access groups for **partitioning** the **records** containing **information** related to the objects based on at least one selected attribute of objects owned by the entity, the data access groups respectively determining access to subsets of the records having the at least one selected attribute so that predetermined third parties

can access a subset of the records containing information related to objects owned by more than one of the entities; and

(b) a system for paperless management and tracking of physical assets or other objects in the possession of a plurality of operating entities, comprising central database, **computer**, and **portable** units and unit for synchronizing the database of the portable unit with the central database.

USE - For use in paperless management and tracking of physical assets or other objects in the possession of operating entities.

ADVANTAGE - The system permits companies/organizations to grant access to third parties to partitioned subsets of central database to enable complete paperless asset or process management. It enables ultimate flexibility in **data partitioning**.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic diagram of the inventive object monitoring and management system.

Object management system (10)

Object (14)

Computer readable tag (16)

Connection (106, 110)

pp; 21 DwgNo 4/14

Title Terms: OBJECT; MONITOR; MANAGEMENT; SYSTEM; MANAGEMENT; TRACK;  
PHYSICAL; COMPRISE; CENTRAL; DATABASE; DATA; ACCESS; PERMIT; UNIT;  
PORTABLE; UNIT; INFORMATION; SUBSET; SYNCHRONISATION; UNIT

Derwent Class: T01

International Patent Class (Main): G06F-017/30; G06F-017/60

International Patent Class (Additional): G06F-012/00

File Segment: EPI

19/5/17 (Item 3 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
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015388691 \*\*Image available\*\*

WPI Acc No: 2003-449636/200342

XRFX Acc No: N03-358712

Portable web-enabled terminal acquires destination to store  
execution result of first program received from server, and  
simultaneously receives second program for further processing of  
execution result

Patent Assignee: FUJITSU LTD (FUJIT )

Inventor: KIKUCHI M; TANIGUCHI S; YAMAMOTO M

Number of Countries: 098 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200342818	A1	20030522	WO 2001JP9868	A	20011112	200342 B

Priority Applications (No Type Date): WO 2001JP9868 A 20011112

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200342818	A1	J	64	G06F-009/06	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA  
ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

Abstract (Basic): WO 200342818 A1

NOVELTY - A controller controls the **communication** and processing  
units. The processing unit executes a first program received from a web  
server (12) through the **communication** unit. The controller acquires a  
destination to **store** the execution result of the first program, and  
simultaneously receives a second program for further processing of the  
execution result.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the  
following:

- (1) server;
- (2) computer-executed information processing method;
- (3) information processing program; and
- (4) computer readable medium stored in information processing  
program.

USE - **Portable** web-enabled **terminal** for processing information.

DESCRIPTION OF DRAWING(S) - The figure shows the **block** diagram of  
the **information** processing system. (Drawing includes non-English  
language text).

web-enabled terminal (1)

web server (12)

pp; 64 DwgNo 1/21

Title Terms: PORTABLE; WEB; ENABLE; TERMINAL; ACQUIRE; DESTINATION; STORAGE  
; EXECUTE; RESULT; FIRST; PROGRAM; RECEIVE; SERVE; SIMULTANEOUS; RECEIVE;  
SECOND; PROGRAM; PROCESS; EXECUTE; RESULT

Derwent Class: T01

International Patent Class (Main): G06F-009/06

International Patent Class (Additional): G06F-009/445; G06F-013/00

File Segment: EPI

19/5/19 (Item 5 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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013297659 \*\*Image available\*\*  
WPI Acc No: 2000-469594/200041  
XRPX Acc No: N00-350839

Portable **information terminal equipment connected with communication apparatus, processes image data based on displayed terminal information**

Patent Assignee: HITACHI LTD (HITA )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000172609	A	20000623	JP 98344414	A	19981203	200041 B

Priority Applications (No Type Date): JP 98344414 A 19981203

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000172609	A	7	G06F-013/00	

Abstract (Basic): JP 2000172609 A

NOVELTY - Terminal information of forwarding destination such as size of display screen, displayable color number forwarding **destination of terminal equipment and capacity of auxiliary memory (2) to store data** are acquired. The image data is processed based on terminal information displayed on screen (1).

USE - **Portable information terminal equipment with information processor connected to communication apparatus.**

ADVANTAGE - The need for selecting the size of the screen for clipping is eliminated thereby operativity is improved. Image data is forwarded by converting the displayable color number thereby time required for data **transfer** and capacity of auxiliary memory are reduced.

DESCRIPTION OF DRAWING(S) - The figure shows **block diagram of information terminal equipment.**

Screen (1)

Auxiliary memory (2)

pp; 7 DwgNo 1/7

Title Terms: PORTABLE; INFORMATION; TERMINAL; EQUIPMENT; CONNECT;

**COMMUNICATE** ; APPARATUS; PROCESS; IMAGE; DATA; BASED; DISPLAY; TERMINAL; INFORMATION

Derwent Class: T01

International Patent Class (Main): G06F-013/00

International Patent Class (Additional): G06F-015/02

File Segment: EPI